OOK

	Depth 6	Contents 7	Refer to l Measur 8

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355746

Final final Bill

From ..... To .....

Name of nature of Agency ..... Executive Engineer - KRIDL, Bangalore

Date of commencement of work ..... D-O. Recording : 07-11.2019

Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
Name of work :	Improvements to Roads, drains and other works at Varadarajapura 4th to 7th Cross-Road, Surrudnya in Ward No. 11 CK Urban Division					
Code No	011-18-00024					
Estimated cost Rs.	25.46 lakh.					
Work order No	EE/BDP/BBMP/KRIDL/WO/34/2018-19 Dt. 13.07.2018					
Date of commencement	14.04.2018					
Date of completion :	07-11.2019					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(1)	Earthwork Excavation by manual means in ordinary dual, involving an average horizontal throw upto 2m and an average lift upto 0.50m Excavated surface levelled and sides neatly dressed, the disposed Earth to be levelled neatly after breaking clods etc complete as per specifications of the Executive Engineer-in-charge of work.						
		Payment made this R.A. Bill No. (1)					
		P.No 355781 - 288.36 Cum					
		@ 199.36 /Cum					

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355747

..... From..... To.....

Nature of Agency .....

Name of work .....

Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Providing and laying in position plain cement concrete of mix 1:2:4 with ope. cement @ 180 kgs with 40mm aggregate graded granite metal coarse aggregate @ 0.8 cum fine aggregate @ 0.57 cum machine mixed concrete laid in layers not exceeding 15cm thick well compacted in foundation including curing all materials, labour, tools, machinery, etc complete as per specifications, and directions of Engineer-in-charge work.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to Measurement Book
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			qty vide this MB			P.No. ②	
			P.No. 355781	=	48.06 y^3		
						5159.02 y^3	24794.50
	3) Providing and laying cement concrete using 20mm and down size granite coarse aggregate and fine aggregate of Rmc concrete M20. for RCC works laid in 15cms thick layers and well compacted, vibrating curing for Raft foundation columns footing, Main and secondary beam plinth band and lift etc complete as per specifications and directions of Engineer-in-charge of work.						

OOK

th	Depth 6	Contents 7	Refer to l Measur 8
		B Item no. (2)	
		48.064 m³ e	
		5159.02 ft³	24794.50
		um and down	
		regate of RMC	
		ons three bays	
		Raft foundations	
		With lead and	
		reaches by	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355748

..... From..... To.....

..... of nature of Agency .....

..... of work .....

Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	8
(a) By hand mixed						
Excavation in foundations	3 × 1	30.00	0.90	0.15	12.15 m³	
	1 × 1	19.00	0.90	0.15	2.57	
——— s/s	5 × 1	30.00	0.90	0.15	20.25	
	1 × 1	25.00	0.90	0.15	3.38	
Filling Around and behind	1 × 1	30.00	0.90	0.15	4.05	
	1 × 1	24.00	0.90	0.15	3.24	
——— s/s	1 × 1	20.00	0.90	0.15	2.70	
(b) By machine mixed						
Excavation in foundations	2 × 3	30.00	0.15	0.60	16.20	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refer to Measu
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Description S/S	2×1	19.00	0.15	0.60	= 3.42 m³	
		2×5	30.00	0.15	0.60	= 27.00	
		2×1	25.00	0.15	0.60	= 4.50	
	Hoddad Nuyara 3rd Cross - do/s	2×1	30.00	0.15	0.60	= 5.40	
	" S/S	2×1	24.00	0.15	0.60	= 4.32	
		2×1	20.00	0.15	0.60	= 3.60	
						112.77 m³	
					Ded to	112.14 m³	
						@ 6231.74/m³	
4)	Providing and removing centering, shuttering, struts, propping etc and removal of form work for vertical surface such as walls at any thickness including attached pilasters						

OOK

th	Depth 6	Contents 7	Refer to l Measu 8
5	0.60 =	3.42 y³	
5	0.60 -	24.00	
5	0.60 =	4.50	
0	0.60 :	5.40	
5	0.60 .	4.32	
5	0.60 =	3.60	
		112.77 y³	
		112.14 y³	
		@ 6231.74/y³	

M. A. R. 57 (Rule 116)
Measurement Book

No. B
355749

..... From..... To.....

..... of nature of Agency .....

..... of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	8
[illegible] plinth, walls and string courses, costing of all material, [illegible] complete as per specifications and directions of [illegible] in-charge of work.						
					qty vide this m.b. p. no 355782	
					# no. (4) = 854.40 y² @ 310.58/y³	265359.55
[illegible] steel reinforcement for RCC work including straightening cutting, bending, hooking, placing in position tapping and or welding wherever required, tying wire binding wire and anchoring to the adjoining members where						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refer to M Measu
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	necessary complete as per designs, costing material, labour Hire of machinery complete as per specifications.						
	qty vide this MB. p.no-355782						
	It no (3) = 6.73 Tonne @ 64243.42/m						43,23,58.2
6)	Providing precast slabs of 100mm thick including costing all materials, labour, curing transportation, loading and unloading etc complete as per the directions Engineer-in-charge						
	Devappa Lo. Road N1>	3x1	30.40	0.90	-	81.00 m^2	
		1x1	19.40	0.90	-	17.10	
	——— s/t	5x1	30.40	0.90	=	135.00	
		1x1	25.40	0.90		22.50	

OOK

h	Depth 6	Contents 7	Refer to l Measur 8
		Materials, labour	
B.		p.no 355782	
		6.73 Tonnes @ 64243.42/ Ton	43,23,58.22
		including costs	
		loading and unloading	
		ete. in- charge	
	-	81.00 y^2	
	-	17.10	
	=	135.00	
	=	22.50	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

355750

..... From..... To.....

..... of nature of Agency .....

..... of work .....

Full description, etc, of work	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	1 nos	30.00	0.90	-	27.00 m^2	
	1 nos	24.00	0.90	-	21.60	
	1 nos	9.50	0.90	-	8.55	
					312.75 m^2	
				Add No.	312.50 m^2	
				@1760.00/m^2		5,50000.00
					Total A	22,51,975.04
		Add 10% Service charges to KREDL				225197.50
		Add 1% Labour cess charge				22519.78
					G.Total	24,99,692.30

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refer to M Measu
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7